

FIG. 1 System for Selecting Television Channels for display on a Television Receiver

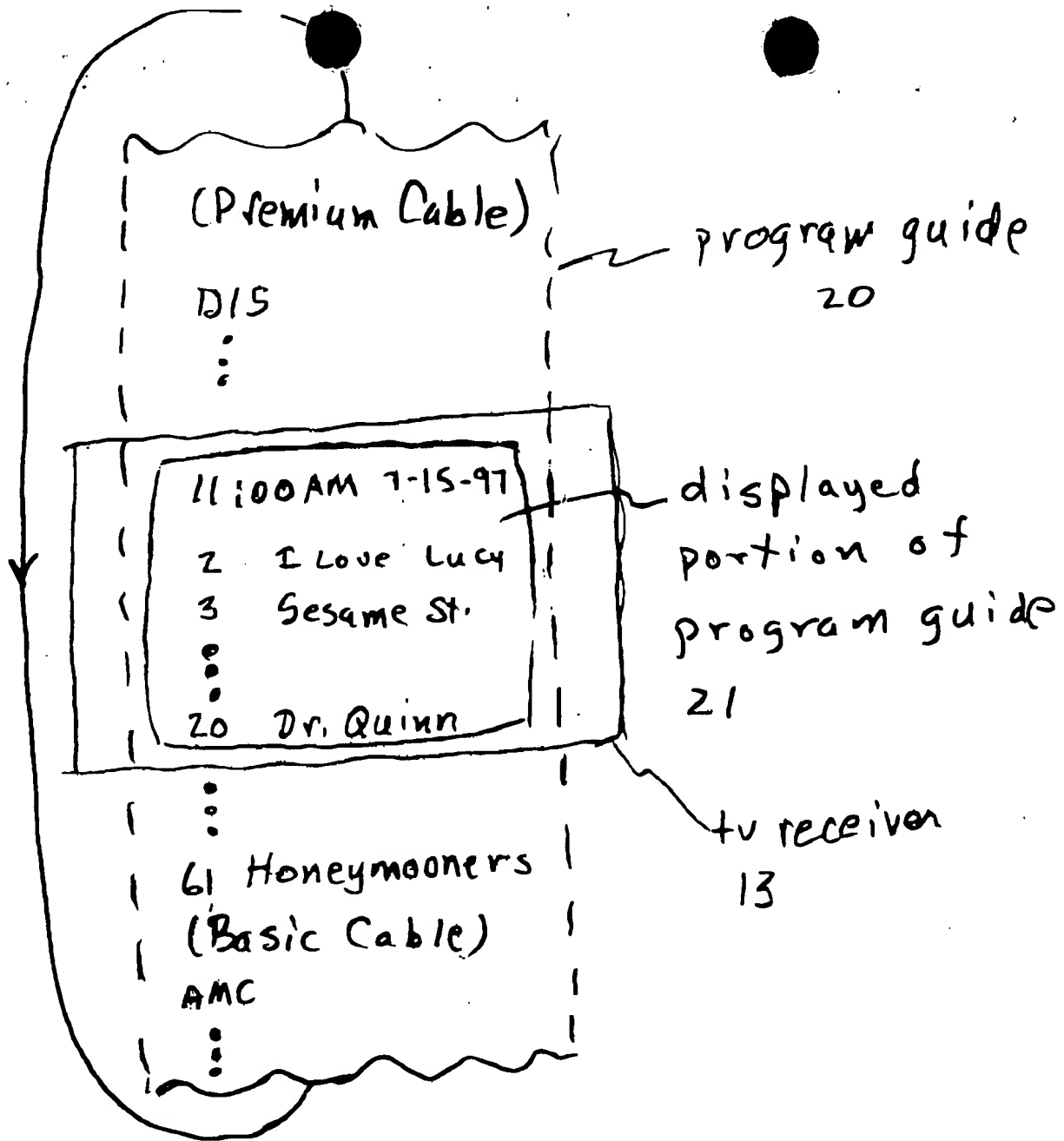


FIG. 2 Program Guide Channel
(Prior Art)

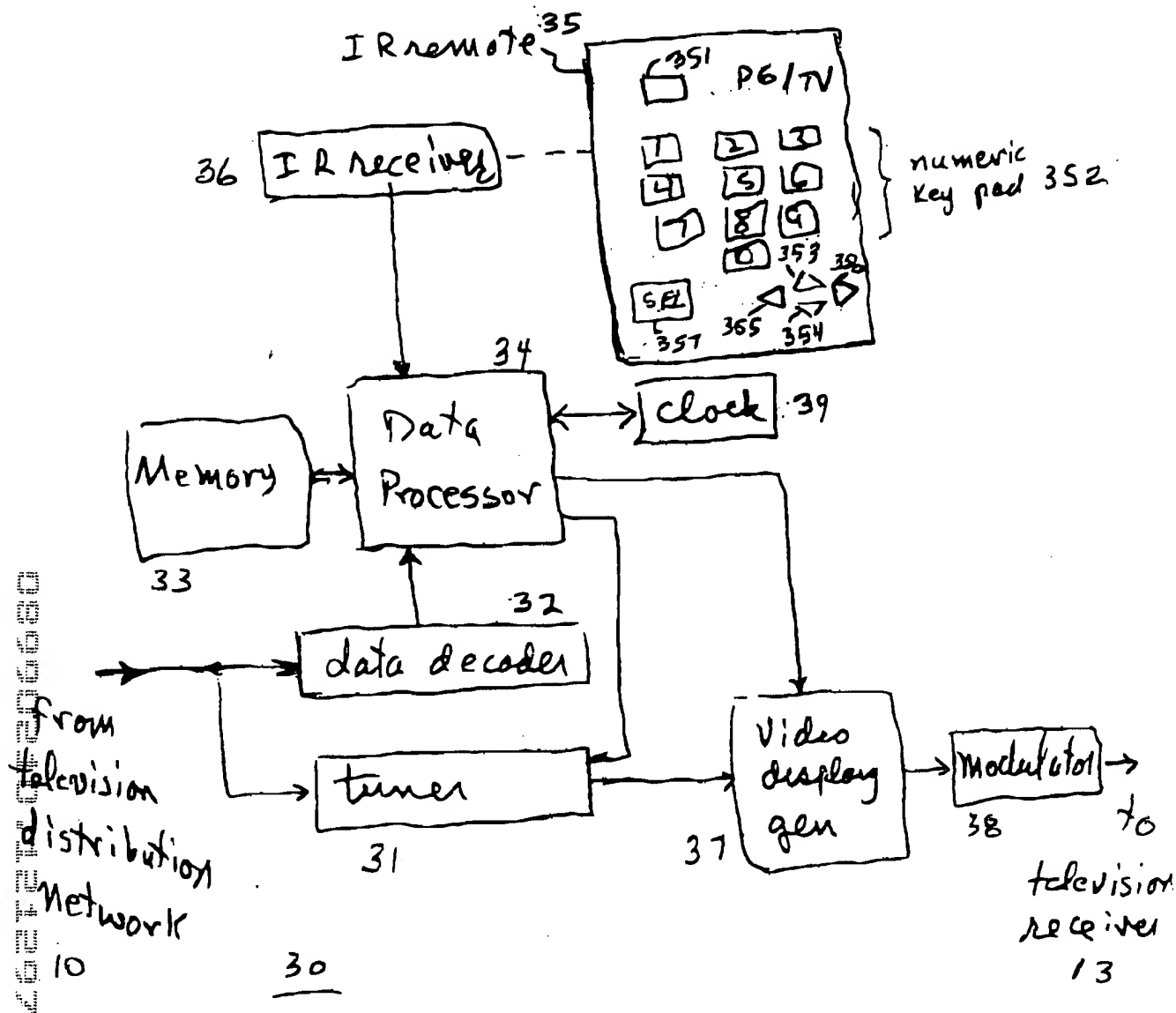


FIG. 3 User-Interface unit for
an Interactive Electronic
Program Guide, (Prior Art)

42 CP6 (blinking)

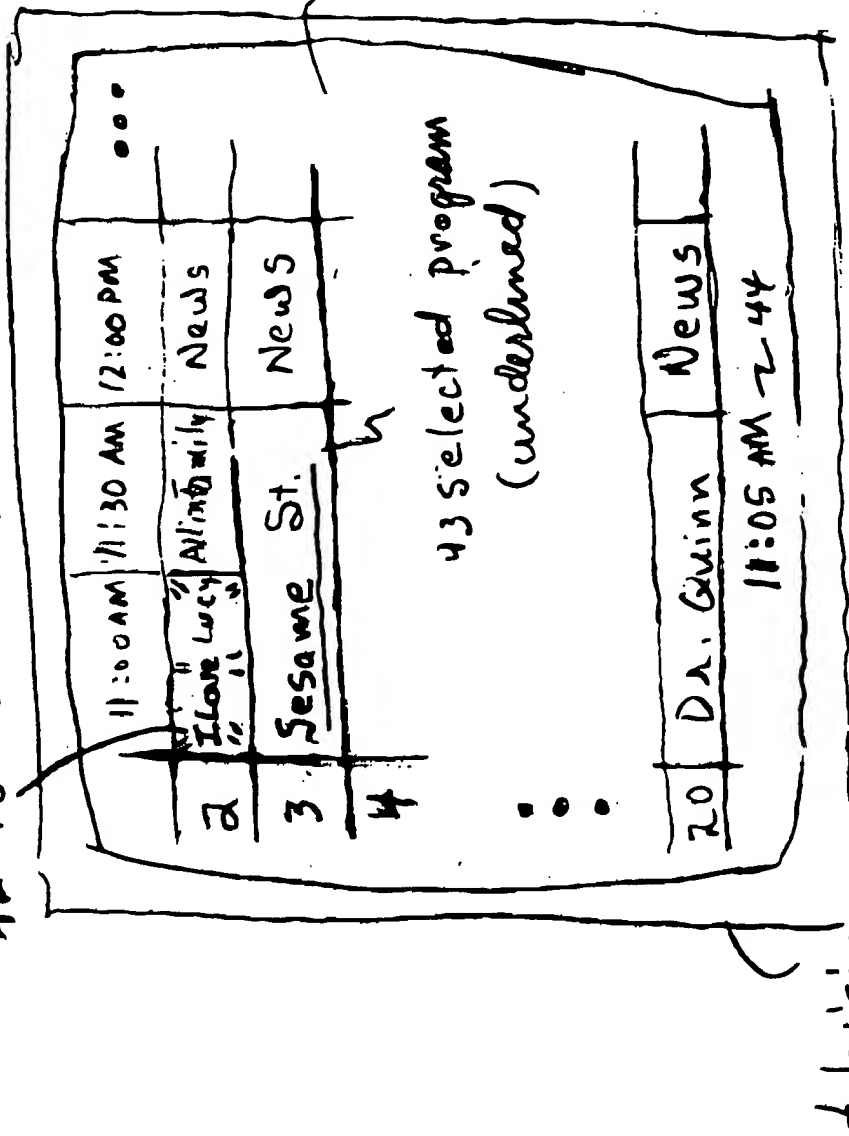


FIG. 4 Program Guide Displayed on a Television Receiver

Interactive Electronic Program-Guide System with Sideways Scrolling Capability

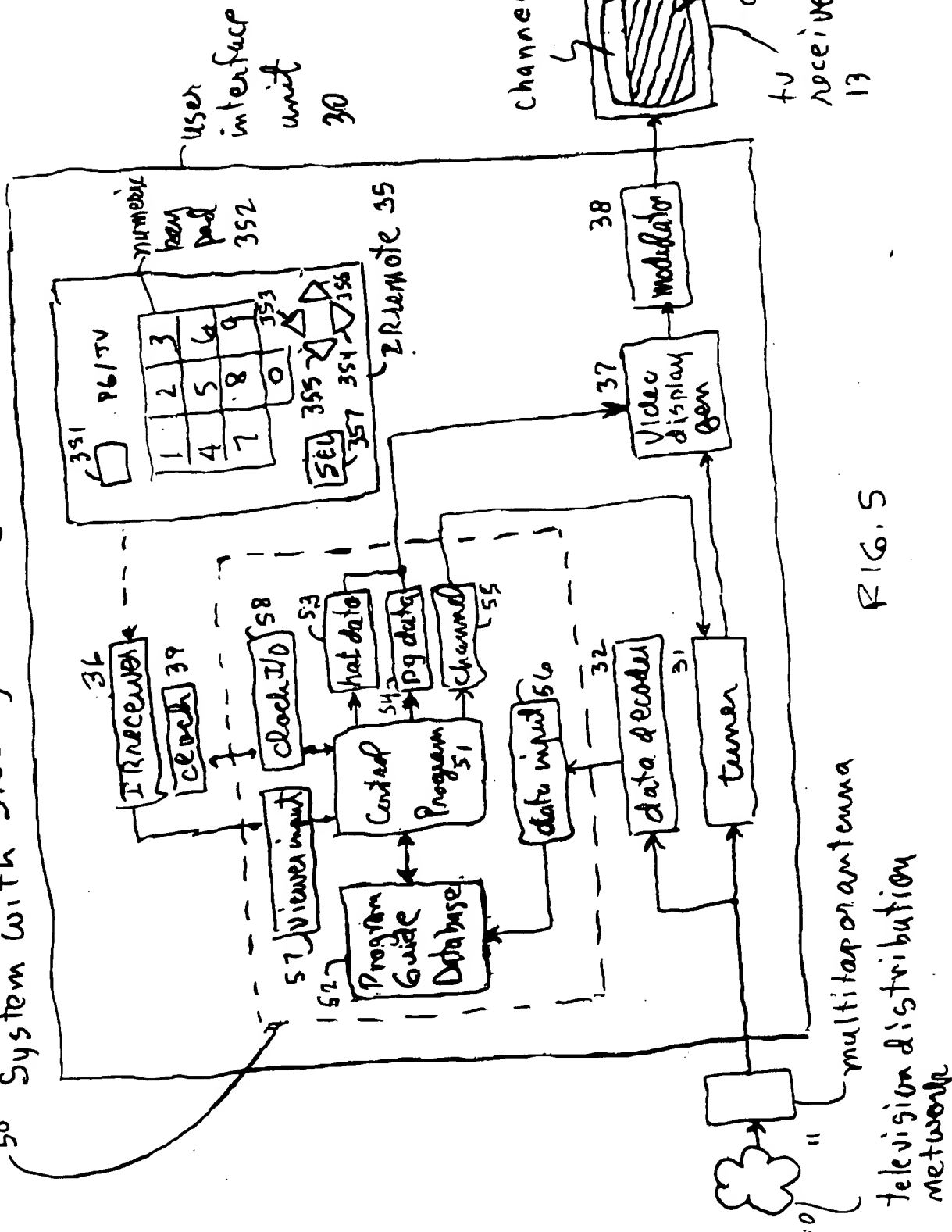


FIG. 5

611 channel number
 612 title
 613 first time slot
 614 start offset
 615 length
 616 end offset
 617 category
 :

61

FIG. 6A Program-Guide Database

63 SLE Surf left enable
 64 SLN Surf left channel no.
 65 SRE Surf right enable
 66 SRN Surf right channel no.
 67 NCN Next Category channel no.
 68 PCN Previous Category Channel no.

FIG. 6C Variables Maintained by
 Electronic Program Guide to
 Support Sideways Surfing

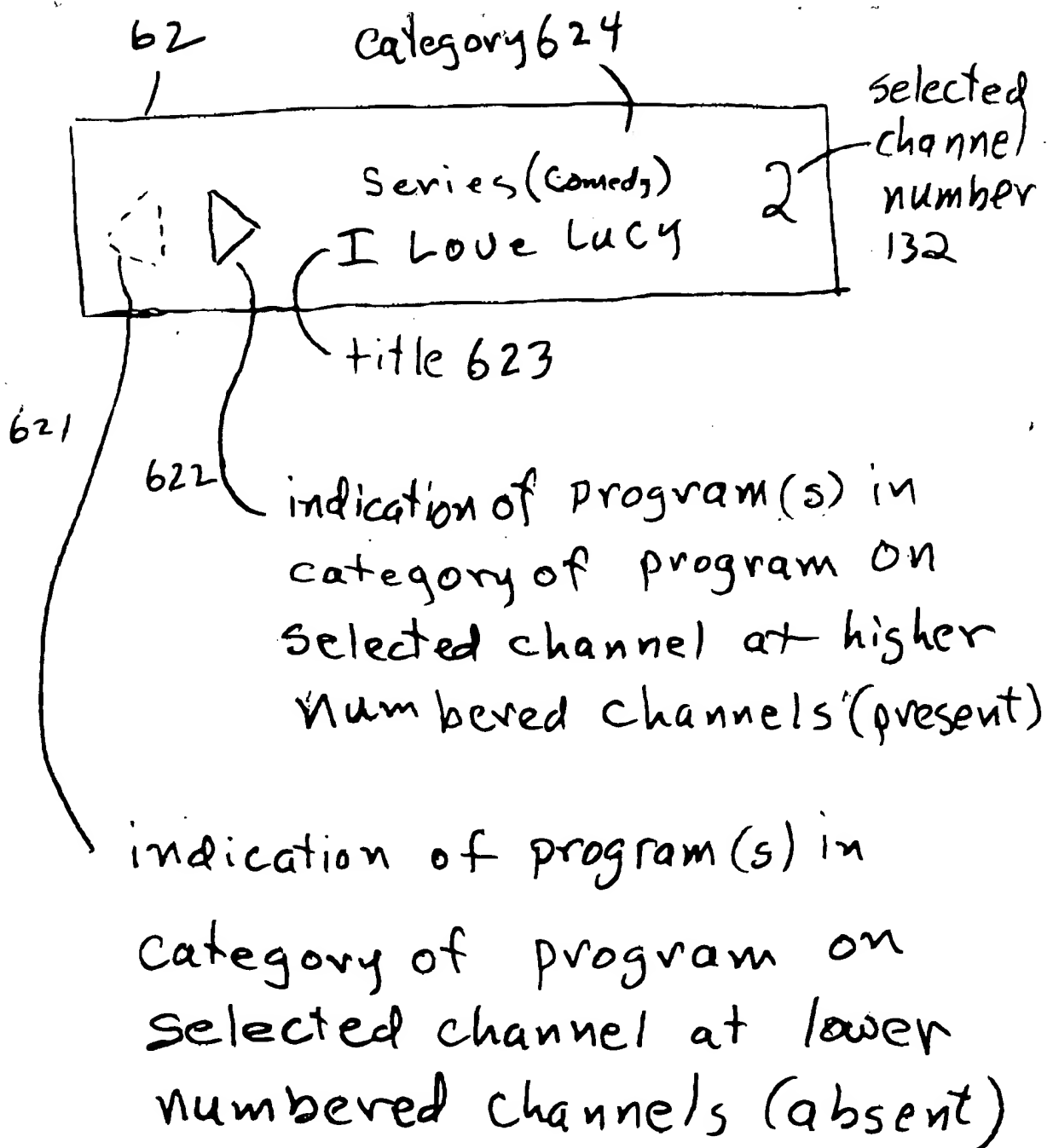
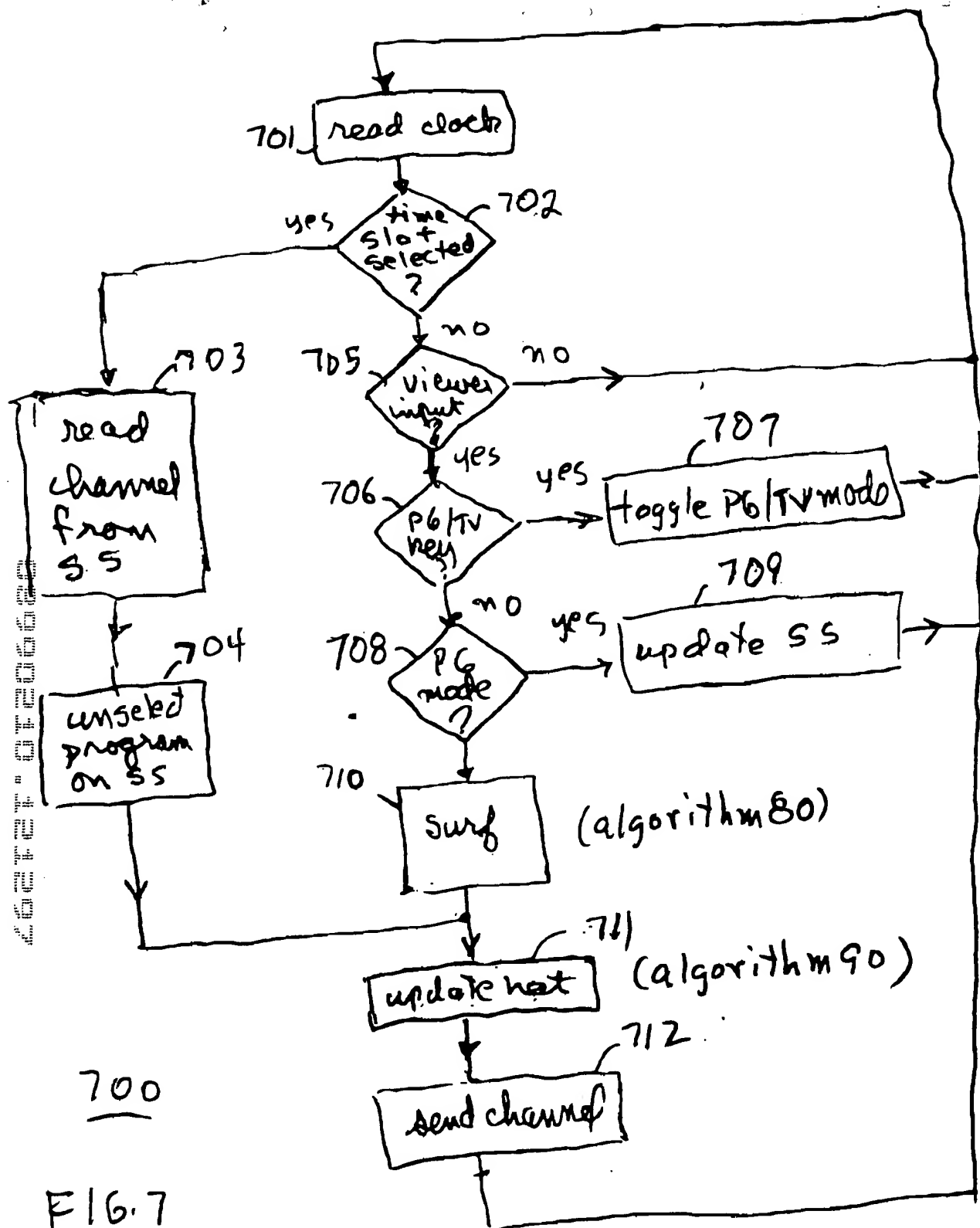


FIG. 6B Channel Hat



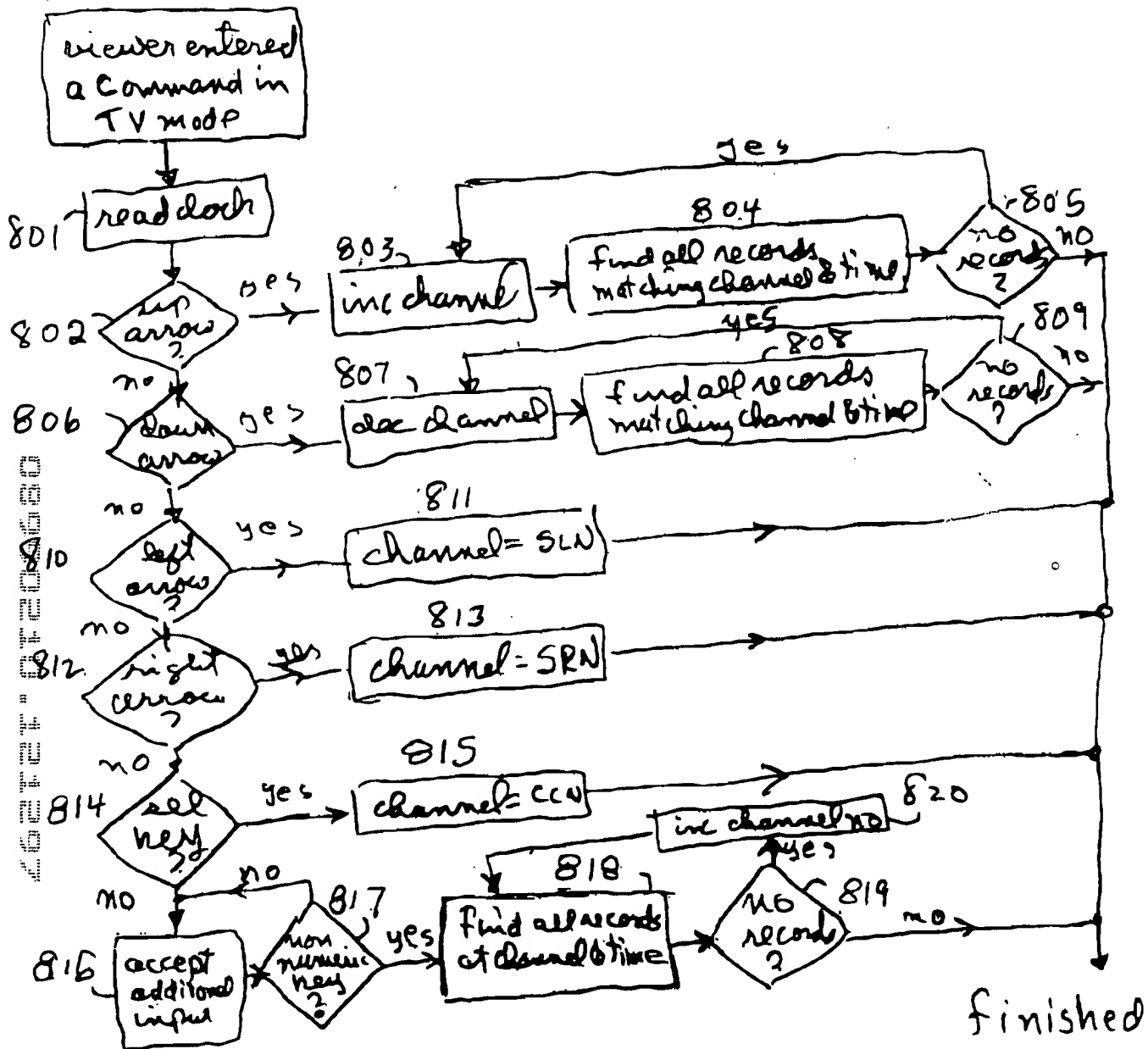


FIG. 8 Flow Chart of Algorithm
used in Selecting Channels
and Surfing in TV mode.

FIG. 9A Flow Chart of Algorithm used to Update the Channel Hat and

